

ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
2	For different values of k, the equation $4x + 5y = k$ represents lines _____ to the line $4x + 5y = 0$.	A. Perpendicular B. Parallel C. Equal D. None of these
3	If the line segment obtained by joining any two points of a region lies entirely within the region, then the region is called _____:	A. Maximum B. Vertex C. Minimum D. Convex
4	The region of the graph $ax + by > c$ is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
5	The order (or sense) of an inequality is changed by _____, it each side by a negative constant.	A. Adding B. Subtracting C. Dividing D. None of these
6	$x = c$ is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
7	A point of a solution region where two of its boundary lines intersects is called a _____ point of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
8	$-4 < y < 4$ is the solution of the following:	A. $y = 5$ B. $y = 3$ C. $y = -4$ D. $y = 4$
9	The graph of $2x + y < 2$ is the open half plane which is _____ the origin side of $2x + y = 2$:	A. At B. Not an C. On D. None of these
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Above B. Left C. Below D. Right
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Open B. Closed C. Open as well as closed D. None of these
12	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
13	$(1, 0)$ is the solution of inequality :	A. $7x + 2y \leq 8$ B. $x - 3y \leq 0$ C. $3x + 5y \geq 6$ D. $-3x + 5y \geq 2$
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $(1, 1)$ B. $(1, 3)$ C. $(1, 4)$ D. $(1, 5)$
15	The feasible region is _____ if it can easily be enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these

16	The graph of linear equation of the form $ax + by = c$ is a _____ where a, b and c are constants and a, b are not both zero.	A. Curve B. Circle C. Straight line D. Parabola
17	A solution of a linear inequality in x and y is an ordered pair of numbers, which _____ the inequality.	A. Does not satisfy B. May be satisfied C. Satisfies D. None of these
18	Non-vertical lines divide the plane into _____ half plane:	A. Upper and lower B. Many C. Left and Right D. None of these
19	The ordered pair _____ is a solution of the inequality $x + 2y < 6$.	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
20	The graph of linear equation of the form $ax + by = c$ is a line, which divides the plane into _____ disjoint regions, where a, b and c are constants and a, b are not both zero.	A. One B. Two C. Three D. None of these
